EXHIBITS A1-A6 (Part 3 of 13)

	Cisco's Command Responses	Arista's Command Responses	Supporting Evidence In The Record
show ptp t	To display the Precision Time Protocol (PTP) clock properties use the show ptp time-property command.  show ptp time-property	Show ptp time-property  The show ptp time-property command displays the Precision Time Protocol (PTP) clock properties.  Platform Arad, FM6000 Command Mode Privileged EXEC	Dkt. 332-2 at PDF p. 63-112; Dkt. 332-4 at PDF p. 17-18
Syntax Description	This command has no arguments or keywords.	Command Syntax show ptp time-property	
Defaults  Command Modes	None Any command mode	Examples     This command shows the PTP clock properties.    Switch# show ptp time-property	
SupportedUserRoles  Command History	network-admin network-operator vdc-admin vdc-operator  Release Modification	Current UTC offset valid: False Current UTC offset: 0 Leap 59: False Leap 61: False Time Traceable: False Frequency Traceable: False PTP Timescale: False Time Source: 0x0 switch#	
Usage Guidelines	5.2(1) This command was introduced.  This command does not require a license.	Arista User Manual v. 4.12.4 (9/16/2013), at 303. Arista User Manual v. 4.13.6F (4/14/2014), at 346. Arista User Manual v. 4.13.7M (6/17/2014), at 346.	
Examples	This example shows how to display the PTP clock properties:  switch# show ptp time-property  PTP CLOCK TIME PROPERTY:  CUTTENT UTC Offset valid: 0  CUTTENT UTC Offset: 33  Leap59	Arista User Manual v. 4.14.3F – Rev. 2 (10/2/2014), at 354. Arista User Manual v. 4.14.5F – Rev. 2 (12/22/2014), at 356. Arista User Manual v. 4.14.6M (1/19/2015), at 352. Arista User Manual v. 4.15.0F (4/18/2015), at 336. Arista User Manual v. 4.15.0F – Rev. 2 (4/27/2015), at 336.	
	7000 Series NX-OS System Management Command August 2013), at 611.		

Cisco's Command Responses	Arista's Command Responses	Supporting Evidence In The Record
This example shows how to display the SNMP information:    switch(config) # show snmp	**This command configures xyz-1234 as the chassis-ID string, then displays the result.  **switch(config)#show snmp Chassis: xyz-1234  **switch(config)#show snmp Chassis: xyz-1234  **switch(config)#show snmp Chassis: xyz-1234  **switch(config)#show snmp Chassis: xyz-1234  **chassis: ID  **SNMP packets input    0 Bad SNMP version errors   0 Unknown community name   0 Illegal operation for community name supplied   0 Encoding errors    8 Number of requested variables   0 Number of altered variables   4 Get-request pDUs   4 Get-request pDUs   21 SNMP packets output   0 Poo big errors    0 No such name errors   0 Bad value errors   0 General errors   8 Response pDUs   0 Trap pDUs  SNMP logging: enabled Logging to taccon.162  SNMP agent enabled switch(config)#  Arista User Manual v. 4.13.6F (4/14/2014), at 1995-1896.  Arista User Manual v. 4.13.7M (6/17/2014), at 1923-1924.  Arista User Manual v. 4.14.5F – Rev. 2 (10/2/2014), at 1981-1982.  Arista User Manual v. 4.14.6M (1/19/2015), at 1977-1978.  Arista User Manual v. 4.15.0F (4/18/2015), at 1977-1978.  Arista User Manual v. 4.15.0F – Rev. 2 (4/27/2015), at 1979-1980.	Dkt. 332-2 at PDF p. 63-112; Dkt. 332-4 at PDF p. 17-18

Cisco's Command Responses	Arista's Command Responses	Supporting Evidence In The Record
Router# show interfaces atm 0/0/0 ATM0/0/0 is up, line protocol is up Hardware is cyBus ATM Internet address is 10.1.1.1/24 MTU 4470 bytes, sub MTU 4470, BW 156250 Kbit, DLY 80 usec, re Encapsulation ATM, loopback not set, keepalive set (10 sec) Encapsulation(s): AAL5, PVC mode 256 TX buffers, 256 RX buffers, 2048 maximum active VCs, 1024 VCs per VP, 1 current VCCs VC idle disconnect time: 300 seconds Last input never, output 00:00:05, output hang never Last clearing of "show interface" counters never Queuing strategy: FITO Output queue 0/40, 0 drops: input queue 0/75, 0 drops 5 minute input rate 0 bits/sec, 1 packets/sec 5 packets input, 560 bytes, 0 no buffer Received 0 broadcasts, 0 runts, 0 giants 0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored, 0 a 5 packets output, 560 bytes, 0 underruns 0 output errors, 0 collisions, 0 interface resets 0 output buffer failures, 0 output buffers swapped out  Cisco IOS Asynchronous Transfer Mode Command R (2011), at 476	Hardware is Ethernet, address is O01c.7302.2fff (bia 001c.7302.2fff) Hardware is Ethernet, address is O01c.7302.2fff (bia 001c.7302.2fff) MTU 9212 bytes, BW 10000000 Kbit  Full-duplex, 10gb/s, auto negotiation: off Last clearing of "show interface" counters never  5 minutes input rate 301 bps (0.0% with framing), 0 packets/sec 5 minutes output rate 0 bps (0.0% with framing), 0 packets/sec 2285370854005 packets input, 2250285828322583 bytes Received 29769609741 broadcasts, 3073437605 multicast 113 runts, 1 giants 118 input errors, 117 CBC, 0 alignment, 18 symbol 27511409 BNUSE input 335031607678 packets output, 27845413138330 bytes Sent 14282316688 broadcasts, 54045824072 multicast 108 output errors, 0 collisions 0 late collision, 0 deferred 0 FAUSE output	Dkt. 332-2 at PDF p. 63-112; Dkt. 332-4 at PDF p. 17-18

Cisco's Command Responses	Arista's Command Responses	Supporting Evidence In The Record
Router# show ip route  Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2 E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2 ia - IS-IS inter area, * - candidate default, U - per-user static route 0 - ODR, P - periodic downloaded static route  Gateway of last resort is not set  Cisco IOS IP Routing Protocols Command Reference, Release 12.4 (2005), at IP2R-553	Examples   This command displays IP routes learned through BGP	Dkt. 332-2 at PDF p. 63-112; Dkt. 332-4 at PDF p. 17-18
	Arista User Manual v. 4.10.0 (7/19/2012), at 617. Arista User Manual v. 4.11.1 – Rev 2 (1/22/2013), at 840. Arista User Manual v. 4.11.2.1 (3/1/2013), at 880. Arista User Manual v. 4.12.4 (9/16/2013), at 1085. Arista User Manual v. 4.13.6F (4/14/2014), at 1188. Arista User Manual v. 4.14.3F – Rev. 2 (10/2/2014), at 1228. Arista User Manual v. 4.14.5F – Rev. 2 (12/22/2014), at 1250. Arista User Manual v. 4.14.6M (1/19/2015), at 1246. Arista User Manual v. 4.15.0F (4/18/2015), at 1254. Arista User Manual v. 4.15.0F – Rev. 2 (4/27/2015), at 1248. Arista User Manual v. 4.13.7M (6/17/2014), at 1206.	

	Cisco's Command Responses	Arista's Command Responses	Supporting Evidence In The Record
Usage Guidelines  Command Examples	This command provides counter information for SNMP operations. It also displays the chassis ID stridefined with the sump-server chassis-id global configuration command.  The following is sample output from the show sump command:  Router# show sump Chassis: 12161081  0 SNMP packets input  0 Bad SNMP version errors 0 Unknown community name 0 Illegal operation for community name supplied 0 Encoding errors 0 Number of altered variables 0 Met-request PDUs 0 Get-request PDUs 0 Set-request PDUs 0 Too big errors (Maximum packet size 1500) 0 No such name errors 0 Bad values errors 0 General errors	Configuring SNMP   Chapter 37 SNMP	
C15C0 100 5	TAVIT Support Command Reference (2011), at 95 90	Arista User Manual v. 4.13.7M (6/17/2014), at 1924. Arista User Manual v. 4.14.3F – Rev. 2 (10/2/2014), at 1968. Arista User Manual v. 4.14.5F – Rev. 2 (12/22/2014), at 1982. Arista User Manual v. 4.14.6M (1/19/2015), at 1978. Arista User Manual v. 4.15.0F (4/18/2015), at 1986. Arista User Manual v. 4.15.0F – Rev. 2 (4/27/2015), at 1980.	

	Cisco's Command Responses	Arista's Command Responses	Supporting Evidence In
			The Record
show snm	p engineID  To display the Simple Network Management Protocol (SNMP) engine ID, use the show snmp engineII	show snmp engineID	Dkt. 332-2 at PDF p. 63-112;
	show snmp engineID	The show snmp engineID command displays the identification of the local Simple Network  Management Protocol (SNMP) engine and of all remote engines that are configured on the switch.  Platform all	Dkt. 332-4 at PDF p. 17-18
Syntax Description	This command has no arguments or keywords.	Command Mode EXEC  Command Syntax	
Defaults	None	show snmp engineID  Example	
Command Modes	Any command mode	This command displays the ID of the local SNMP engine.    Switch   Show snmp engineid	
SupportedUserRoles	network-admin network-operator vdc-admin vdc-operator	Arista User Manual v. 4.11.1 – Rev 2 (1/22/2013), at 1363.	
Command History	Release Modification	Arista User Manual v. 4.11.2.1 (3/1/2013), at 1443.	
,	4.0(1) This command was introduced.	Arista User Manual v. 4.12.4 (9/16/2013), at 1716. Arista User Manual v. 4.13.6F (4/14/2014), at 1906.	
Usage Guidelines	This command does not require a license.	Arista User Manual v. 4.13.7M (6/17/2014), at 1934. Arista User Manual v. 4.14.3F – Rev. 2 (October 2, 2014), at 1978.	
Examples	This example shows how to display the SNMP engine ID:  switch(config)* show snmp engineID  Local SNMP engineID: [Hex] 8000009030005300A0B0C  [Dec] 128:000:000:009:003:000:005:048:010:011:012	Arista User Manual v. 4.14.5F – Rev. 2 (12/22/2014), at 1991. Arista User Manual v. 4.14.6M (1/19/2015), at 1987. Arista User Manual v. 4.15.0F (4/18/2015), at 1995. Arista User Manual v. 4.15.0F – Rev. 2 (4/27/2015), at 1989.	
Related Commands	Command         Description           snmp-server user         Configures SNMP target notification users.		
	7000 Series NX-OS System Management Command Release 5.x (April 2010), at 533.		

## **EXHIBIT A4**

## ARISTA'S VERBATIM COPYING OF CISCO'S TECHNICAL DOCUMENTATION

Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
For additional notification types, see the Related Commands table for this command.  SNMP notifications can be sent as traps or inform requests. This command enables both traps and inform requests for the specified notification types. To specify whether the notifications should be sent as traps or informs, use the snmp-server host [traps Informs] command.  If you do not enter an snmp-server enable traps command, no notifications, you must enter at least one snmp-server enable traps command. If you enter the command with no keywords, all notification types are enabled. If you enter the command with a keyword, only the notification type related to that keyword is enabled. In order to enable multiple types of notifications, you must issue a separate snmp-server enable traps command for each notification type and notification option.  The snmp-server enable traps command is used in conjunction with the snmp-server host command. Use the snmp-server host command to specify which host or hosts receive SNMP notifications. In order to send notifications, you must configure at least one snmp-server host command.  Cisco IOS Configuration Fundamentals and Network Management Command Reference (2004), at 1034; see also Cisco IOS  Asynchronous Transfer Mode Command Reference (2011), at 535.	The snmp-server enable traps command enables the transmission of Simple Network Management Protocol (SNMP) notifications as traps or inform requests This command enables both traps and inform requests for the specified notification types. The snmp-server host command specifies the notification  Arista User Manual v. 4.14.3F – Rev. 2 (10/2/14), at 1990.  See also Arista User Manual v. 4.13.6F (4/14/2014), at 1918; Arista User Manual v. 4.12.3 (7/17/13), at 1680; Arista User Manual, v. 4.11.1 (1/11/13), at 1365; Arista User Manual v. 4.10.3 (10/22/12), at 1132; Arista User Manual v. 4.9.3.2 (5/3/12), at 888; Arista User Manual v. 4.8.2 (11/18/11), at 696; Arista User Manual v. 4.7.3 (7/18/11), at 552.	Dkt. 419-10 at PDF p. 74

Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
Router# show interfaces atm 0/0/0 ATMO/0/0 is up, line protocol is up Hardware is cybus ATM Internet address is 10.1 1.1/24 MTU 4470 bytes, sub MTU 4470, BW 156250 Kbit, Encapsulation AIM, loopback not set, keepafive set (10 sec) Encapsulation(s): AAL5, PVC mode 256 TX buffers, 256 RX buffers, 2048 maximum active VCs, 1024 VCs per VP, 1 current VCCs VC idle disconnect time: 300 seconds Last input never, output 00:00:05, output hang never Last clearing of "show interface" counters never queuing strategy: fifo output queue 0/40, 0 drope, input queue 0/75, 0 drops 5 minute input rate 0 bits/sec, 1 packets/sec 5 minute output rate 0 bits/sec, 1 packets/sec 5 minute output rate 0 bits/sec, 1 packets/sec 5 minute output rate 0 bits/sec, 0 no buffer Received 0 broadcasts, 0 runts, 0 giants 0 input errors, 0 CRC, 0 frame, 0 overrun, 5 packets output, 560 bytes, 0 underruns 0 output errors, 0 collisions, 0 interface 0 output buffer failures, 0 output buffers swapped out  Cisco IOS Asynchronous Transfer Mode Command Reference (2011), at 476.	Examples  • These commands display interface counters, clear the counters, then display the counters again.  switch#show interfaces ethernet 1  Sthermet1 is up, line protocol is up (connected)  Hardware is Rthernet, address is 001c.7302.2fff (bia 001c.7302.2fff)  Hardware is Rthernet, address is 001c.7302.2fff (bia 001c.7302.2fff)  MRL 0312 bytes, DR 1000000 Rbit  Pull-dupley 10Gb/s, auto negotiation off  Last clearing of "show interface" counters never  5 minutes output rate 0 bps (0.0 w with framing), 0 packets/sec  2285370854005 packets input, 225028582832583 bytes  Received 2976905741 broadcasts, 3073437605 multicast  113 runts, 1 giants  114 simput errors, 117 CRC, 0 alignment, 18 symbol  27511405 PAUSE input  335031607678 packets output, 27845413138330 bytes  Sent 14282316688 broadcasts, 5404524072 multicast  108 output errora, 0 collisions  0 late collision, 0 deferred  0 PAUSE output  Arista User Manual v. 4.13.6F (4/14/2014), at 637.  See also Arista User Manual v. 4.12.3 (7/17/13), at 514; Arista User Manual, v. 4.11.1 (1/11/13), at 413; Arista User Manual v. 4.10.3  (10/22/12), at 270; Arista User Manual v. 4.9.3.2 (5/3/12), at 252.	Dkt. 419-10 at PDF p. 75
It display a brief or detailed status of one or all configured Virtual Router Redundancy Protocol (VRRP) proups on the router, use the show vrrp command in privileged EXEC mode.    Show vrrp [all   brief]     Cisco IOS IP Application Services Command Reference (2011), at 76.	19.2.3.2 Verify VRRP IPv6 Configurations Use the following commands to display the VRRP configurations and status.  Show VRRP Group The show vrrp command lisplays the status of configured Virtual Router Redundancy Protocol (VRRP) groups on a specified interface.  Arista User Manual v. 4.13.6F (4/14/2014), at 879.  See also Arista User Manual v. 4.12.3 (7/17/13), at 793; Arista User Manual v. 4.10.3 (10/22/12), at 548; Arista User Manual v. 4.9.3.2 (5/3/12), at 468.	Dkt. 419-10 at PDF p. 75

	Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
Usage Guidelines  Cisco IOS II	Use the ip multicast multipath command to enable load splitting of IP multicast traffic across multiple equal-cost paths.  If two or more equal-cost paths from a source are available, unicast traffic will be load split across multiple equal-cost paths. However, by default, multicast traffic is not load split across multiple equal-cost paths. In general, multicast traffic flows down from the reverse path forwarding (RPF) neighbor. According to the Protocol Independent Multicast (PIM) specifications one neighbor has the same metric.  Configuring load splitting with the ip multicast multipath command causes the system to load split multicast traffic across multiple equal-cost paths based on source address using the S-hash algorithm. When the ip multicast multipath command is configured and multiple equal-cost paths exist, the path in which multicast traffic will travel is selected based on the source IP address. Multicast traffic from different sources will be load split across the different equal-cost paths. Load splitting will not occur across equal-cost paths for multicast traffic from the same source sent to different multicast groups.  P Multicast Command Reference (2011), at 293.	23.3.2 Equal Cost Multipath Routing (ECMP) and Load Sharing  Multiple routes that have identical destinations and administrative distances comprise an Equal Cost Multi-Path (ECMP) route. The switch attempts to spread traffic to all ECMP route paths equally.  If two or more equal-cost paths from a source are available, unicast traffic is load split across those paths. By default, multicast traffic is not load split. Multicast traffic generally flows from the reverse path forwarding (RFF) neighbor and, according to Protocol independent Multicast (PIM) specifications, the neighbor with the highest IP address has precedence when multiple neighbors have the same metric.  Arista User Manual v. 4.13.6F (4/14/2014), at 1191.  See also Arista User Manual v. 4.12.3 (7/17/13), at 1042; Arista User Manual, v. 4.11.1 (1/11/13), at 398; Arista User Manual v. 4.10.3 (10/22/12), at 320.	Dkt. 419-10 at PDF p. 76
Usage Guidelines	Use the in multicast boundary command to configure an administratively scoped boundary on an interface in order to filter source traffic coming into the interface and prevent mroute states from being created on the interface.  An IP multicast boundary enables reuse of the same multicast group address in different administrative domains.	Multicast Boundary Configuration  The multicast boundary specifies subnets where source traffic entering an interface is filtered to prevent the creation of mroute states on the interface. The interface is not included in the outgoing interface list (OIL). Multicast pim, igmp or data packets are not allowed to flow across the boundary from either direction. The boundary facilitates the use of a multicast group address in different administrative domains.  The ip multicast boundary command configures the multicast boundary. The multicast boundary can be specified through multiple IPv4 subnets or one standard IPv4 ACL.	Dkt. 419-10 at PDF p. 76
Cisco IOS II	P Multicast Command Reference (2011), at 264.	Arista User Manual v. 4.13.6F (4/14/2014), at 1704.  See also Arista User Manual v. 4.12.3 (7/17/13), at 1482; Arista User Manual, v. 4.11.1 (1/11/13), at 1184; Arista User Manual v. 4.10.3 (10/22/12), at 1018; Arista User Manual v. 4.9.3.2 (5/3/12), at 776.	

Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
Usage Guidelines  Enabling PIM on an interface also enables Internet Group Management Protocol (IGMP) operation on that interface. An interface can be configured to be in dense mode, or sparse-dense mode. The mode describes how the Cisco IOS software populates its multicast routing table and how the software forwards multicast packets it receives from its directly connected LANs. Dense mode interfaces are always added to the table when the multicast routing table is populated. Sparse mode interfaces are added to the table only when periodic join messages are received from downstream routers, or there is a directly connected member on the interface.  Cisco IOS IP Multicast Command Reference (2008), at IMC-233–34	33.3.1 Enabling IGMP Enabling FIM on an interface also enables IGMP on that interface. When the switch populates the multicast routing table. Interfaces are added to the table only when periodic join messages are received from downstream routers, or when there is a directly connected member on the interface.  Arista User Manual v. 4.14.3F – Rev. 2 (10/2/14), at 1778.  See also Arista User Manual v. 4.13.6F (4/14/2014), at 1726; Arista User Manual v. 4.12.3 (7/17/13), at 1504; Arista User Manual, v. 4.11.1 (1/11/13), at 1204; Arista User Manual v. 4.10.3 (10/22/12), at 998; Arista User Manual v. 4.9.3.2 (5/3/12), at 756; Arista User Manual v. 4.8.2 at 578; Arista User Manual v. 4.7.3 (7/18/11), at 458; Arista User Manual v. 4.6.0 (12/22/2010), at 308	Dkt. 419-10 at PDF p. 77
Usage Guidelines  SNMP notifications can be sent as traps or inform requests  This command enables both traps and inform requests for the specified notification types. PTM notifications are defined in the CISCO-PTM-MIB.my and PTM-MIB.my files, available from Cisco.com at http://www.cisco.com/public/sw-center/netmgmt/cmtk/mibs.shtml.  Cisco IOS IP Multicast Command Reference (2011), at 742	Snmp-server enable traps  The snmp-server enable traps command enables the transmission of Simple Network Management Protocol (SNMP) notifications as traps or inform requests This command enables both traps and inform requests for the specified notification types. The snmp-server host command specifies the notification type (traps or informs). Sending notifications requires at least one snmp-server host command.  Arista User Manual v. 4.14.3F – Rev. 2 (10/2/14), at 1990.  See also Arista User Manual v. 4.13.6F (4/14/2014), at 1918; Arista User Manual v. 4.12.3 (7/17/13), at 1680; Arista User Manual, v. 4.11.1 (1/11/13), at 1365; Arista User Manual v. 4.10.3 (10/22/12), at 1132; Arista User Manual v. 4.9.3.2 (5/3/12), at 888; Arista User Manual v. 4.8.2 at 696; Arista User Manual v. 4.7.3 (7/18/11), at 552.	Dkt. 419-10 at PDF p. 77

Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
Usage Guidelines  The local proxy ARP feature allows the Multilayer Switching Feature Card (MSFC) to respond to ARP requests for IP addresses within a subnet where normally no routing is required. With the local proxy ARP feature enabled, the MSFC responds to all ARP requests for IP addresses within the subnet and forwards all traffic between hosts in the subnet. Use this feature only on subnets where hosts are intentionally prevented from communicating directly to the Catalyst 6500 series switch on which they are connected.  Before the local proxy ARP feature can be used, the IP proxy ARP feature must be enabled. The IP proxy ARP feature is enabled by default.  Cisco IOS IP Addressing Services Command Reference (2011), at 394	ip local-proxy-arp  The ip local-proxy-arp command enables local proxy ARP (Address Resolution Protocol) on the configuration mode interface. Local proxy ARP programs the switch for respond to ARP requests for IP addresses within a subnet where routing is not normally required. A typical local proxy arp application is supporting isolated private VLANs that communicate with each other by routing packets.  Arista User Manual v. 4.14.3F – Rev. 2 (10/2/14), at 1276.  See also Arista User Manual v. 4.13.6F (4/14/2014), at 1231; Arista User Manual v. 4.12.3 (7/17/13), at 1073; Arista User Manual, v. 4.11.1 (1/11/13), at 856; Arista User Manual v. 4.10.3 (10/22/12), at 707.	Dkt. 419-10 at PDF p. 78
Usage Guidelines  IP uses a 32-bit mask that indicates which address bits belong to the network and subnetwork fields, and which bits belong to the host field. This is called a network. By default, show commands display an IP address and then its network in dotted decimal notation. For example, a subnet would be displayed as 10.108.11.0 255.255.255.0.  Cisco IOS IP Addressing Services Command Reference (2011), at 452	SIBNET_SIZE this functions as a sanity check to ensure it is not a network or broadcast network. Options include:  netwark ipv4 addr. The network mask that indicates which address bits belong to the network and subnetwork fields and which bits belong to the host field. Specify the netmask of the network to which the pool addresses belong (dotted decimal notation).  Arista User Manual v. 4.13.6F (4/14/2014), at 1233.  See also Arista User Manual v. 4.12.3 (7/17/13), at 1075.	Dkt. 419-10 at PDF p. 78

Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
Route Target Extended Community Attribute  The route target (RT) extended community attribute is configured with the rt keyword. This attribute is used to identify a set of sites and VRFs that may receive routes that are tagged with the configured route target. Configuring the route target extended attribute with a route allows that route to be placed in the per-site forwarding tables that are used for routing traffic that is received from corresponding sites.  Site of Origin Extended Community Attribute  The site of origin (SOO) extended community attribute is configured with the soo keyword. This attribute uniquely identifies the site from which the provider edge (PE) router learned the route. All routes learned from a particular site must be assigned the same site of origin extended community attribute, regardless if a site is connected to a single PE router or multiple PE routers. Configuring this attribute prevents routing loops from occurring when a site is multihomed. The SOO extended community attribute is configured on the interface and is propagated into BGP through redistribution. The SOO should not be configured for stub sites or sites that are not multihomed.  IP Extended Community-List Configuration Mode  Named and numbered extended community lists can be configured in IP Extended community-list configuration mode. To enter IP Extended community-list configuration mode, enter the ip  extcommunity-list command with either the expanded or standard keyword followed by the extended community list name. This configuration mode supports all of the functions that are available in global configuration mode. In addition, you can perform the following operations:  Cisco IOS IP Routing Protocols Command Reference, Release 12.4 (2005), at IRP-118	ip extcommunity-list expanded  The ip extcommunity-list expanded command creates an extended community list to configure Virtual Private Network (VPN) route filtering. Extended community attributes filter routes for virtual routing and forwarding instances (VRFs). The command uses regular expressions to name the communities specified by the list.  * Route Target (rt) attribute identifies a set of sites and VRFs that may receive routes that are tagged with the configured route target. Configuring the route target extended attribute with a route allows that route to be placed in the per-site forwarding tables that route traffic received from corresponding sites.  * Site of Origin (soo) attribute uniquely identifies the site from which the provider edge (PE) router learned the route. All routes learned from a specific site must be assigned the same site of origin attribute whether a site is connected to a single PE router or multiple PE routers. Configuring this attribute prevents the creation of routing loops when a site is multihomed. The SOO extended community attribute is configured on the interface and is propagated into BGP through redistribution. The SOO should not be configured for stub sites or sites that are not multihomed.  Arista User Manual v. 4.14.3F (Rev. 2) (10/2/2014), at 1590.  See also Arista User Manual v. 4.13.6F (4/14/2014), at 1540; Arista User Manual v. 4.12.3 (7/17/13), at 1364; Arista User Manual, v. 4.11.1 (1/11/13), at 1110; Arista User Manual v. 4.10.3 (10/22/12), at 896; Arista User Manual v. 4.9.3.2 (5/3/12), at 689; Arista User Manual v. 4.8.2 at 519.	Dkt. 419-10 at PDF p. 79
Usage Guidelines  Extended community attributes are used to configure, filter, and identify routes for virtual routing and forwarding instances (VRFs) and Multiprotocol Label Switching (MPLS) Virtual Private Networks (VPNs).  The match extcommunity command is used to configure match clauses that use extended community attributes in route maps. All of the standard rules of match and set clauses apply to the configuration of extended community attributes.  Cisco IOS IP Routing: EIGRP Command Reference (2011), at 92	BGP extended communities configure, filter, and identify routes for virtual routing, forwarding instances (VRFs), and Multiprotocol Label Switching (MPLS) Virtual Private Networks (VPNs).  Extended community clauses provide route target and site of origin parameter options:  Arista User Manual v. 4.14.3F (Rev. 2) (10/2/2014), at 1552.  See also Arista User Manual v. 4.13.6F (4/14/2014), at 1502; Arista User Manual v. 4.12.3 (7/17/13), at 1334; Arista User Manual, v. 4.11.1 (1/11/13), at 1083; Arista User Manual v. 4.10.3 (10/22/12), at 896; Arista User Manual v. 4.9.3.2 (5/3/12), at 668; Arista User Manual v. 4.8.2 (11/18/11) at 500.	Dkt. 419-10 at PDF p. 79

Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
Expanded Community Lists  Expanded community lists are used to filter communities using a regular expression. Regular expressions are used to configure patterns to match community attributes. The order for matching using the * or + character is longest construct first. Nested constructs are matched from the outside in  Concatenated constructs are matched beginning at the left side. If a regular expression can match two different parts of an input string, it will match the earliest part first. For more information about configuring regular expressions, see the Regular Expressions appendix of the Cisco IOS Terminal Services Configuration Guide.  Cisco IOS IP Routing Protocols Command Reference, Release 12.4 (2005), at IRP-113–14	Chapter 3 Command-Line Interface  Processing Commands  Processing Comman	Dkt. 419-10 at PDF p. 80
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2 E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2 ia - IS-IS inter area, * - candidate default, U - per-user static route o - ODR, P - periodic downloaded static route  Gateway of last resort is not set  Cisco IOS IP Routing Protocols Command Reference, Release 12.4 (2005), at IP2R-553	Examples  • This command displays IP routes learned through BGP	Dkt. 419-10 at PDF p. 80

Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
The clear ip bgp command can be used to initiate a hard reset or soft reconfiguration. A hard reset tears down and rebuilds the specified peering sessions and rebuilds the BGP routing tables. A soft reconfiguration uses stored prefix information to reconfigure and activate BGP routing tables without tearing down existing peering sessions. Soft reconfiguration uses stored update information at the cost of additional memory for storing the updates, to allow you to apply new BGP policy without disrupting the network. Soft reconfiguration can be configured for inbound or outbound sessions.  Cisco IOS IP Routing Protocols Command Reference, Release 12.4 (2005), at IRP-69	Clear ip bgp  The clear ip bgp command removes BGP IPv4 learned routes from the routing table, reads all routes from designated peers, and sends routes to those peers as required.  • a hard reset tears down and rebuilds the peering sessions and rebuilds BGP routing tables.  • a soft reset uses stored prefix information to reconfigure and activate BGP routing tables without tearing down existing peering sessions.  Soft resets use stored update information to apply new BGP policy without disrupting the network.  Routes that are read or sent are processed through modified route maps or AS-path access lists. The command can also clear the switch's BGP sessions with its peers.  Arista User Manual v. 4.14.3F (Rev. 2) (10/2/2014, at 1577.  See also Arista User Manual v. 4.13.6F (4/14/2014), at 1527; Arista User Manual v. 4.12.3 (7/17/13), at 1358; Arista User Manual, v. 4.11.1 (1/11/13), at1104; Arista User Manual v. 4.10.3 (10/22/12), at 916; Arista User Manual v. 4.9.3.2 (5/3/12), at 683; Arista User Manual v. 4.8.2 (11/18/11), at 513; Arista User Manual v. 4.7.3 (7/18/11), at 378.	Dkt. 419-10 at PDF p. 81
To configure a router that is running the Open Shortest Path First (OSPF) protocol to advertise a maximum metric so that other routers do not prefer the router as an intermediate hop in their shortest path first (SPF) calculations, use the max-metric router-lsa command in router configuration mode. To disable the advertisement of a maximum metric, use the no form of this command.  max-metric router-lsa [on-startup {seconds   wait-for-bgp}]  no max-metric router-lsa [on-startup {seconds   wait-for-bgp}]  Cisco IOS IP Routing Protocols Command Reference, Release 12.4 (2005), at IP2R-591	Chapter 25 Open Shortest Path First - Version 2  Max-metric router-Isa (OSPFv2)  The max-metric router-Isa command allows the OSPF protocol to advertise a maximum metric so that other routers do not prefer the router as an intermediate hop in their SPF calculations.  The no max-metric router-Isa and default max-metric router-Isa commands disable the advertisement of a maximum metric.  Platform all Command Mode Router-OSPF Configuration  Command Syntax  max-metric router-Isa [EXTERNAL] [STUB] [STARTUP] [SUMMARY] no max-metric router-Isa [EXTERNAL] [STUB] [STARTUP] [SUMMARY] default max-metric router-Isa [EXTERNAL] [STUB] [STARTUP] [SUMMARY]  All parameters can be placed in any order.  Arista User Manual v. 4.13.6F (4/14/2014), at 1389.	Dkt. 419-10 at PDF p. 81

Cisc	co's Documentation	Arista's Documentation	Supporting Evidence In The Record
adv-router [ip-address]  link-state-id  Cisco IOS IP Routing Protoc (2005), at IP2R-613	(Optional) Displays all the LSAs of the specified router. If no IP address is included, the information is about the local router itself (in this case, the same as self-originate).  (Optional) Portion of the Internet environment that is being described by the advertisement. The value entered depends on the advertisement's LS type. It must be entered in the form of an IP address.  When the link state advertisement is describing a network, the link-state-id can take one of two forms:  The network's IP address (as in type 3 summary link advertisements and in autonomous system external link advertisements). A derived address obtained from the link state ID. (Note that masking a network links advertisement's link state ID with the network's subnet mask yields the network's IP address.)  When the link state advertisement is describing a router, the link state ID is always the described router's OSPF router ID.  When an autonomous system external advertisement (LS Type = 5) is describing a default route, its link state ID is set to Default Destination (0.0.0.0).	* * * * * * * * * * * * * * * * * * *	Dkt. 419-10 at PDF p. 82

	Cisco's D	ocumentation	Arista's Documentation	Supporting Evidence In The Record
area nssa	To configure a not-so-stubby area (1 Translated Type-5 LSAs feature, use router configuration mode. To remove command.  area nssa translate command information-originate [metri capability] [no-redistribution no area area-id nssa translate	type7 [always] [suppress-fa] [default-information-originate ype ospf-link-state-type] [nssa-only]] [no-ext-capability] [no-	The area nssa translate type7 always command translates Type-7 link-state advertisement (LSA) to Type-5 of LSAs.  The no area nssa translate type7 always command removes the NSSA distinction from the area.  Platform all Command Mode Router-OSPF3 Configuration  Command Syntax  area area id nssa translate type7 always no area id nssa translate type7 always default area_id nssa translate type7 always	Dkt. 419-10 at PDF p. 83
Syntax Description	area-id translate	Identifier for the stub area or NSSA. The identifier can be specified as either a decimal value or an IP address.  Translates one type of link-state advertisement (LSA) to another type of LSA. This keyword takes effect only on an NSSA Area Border Router (ABR) or an NSSA Autonomous System Boundary Router (ASBR).	* area_id area number.  Valid formats: integer <1 to 4294967295 > or dotted decimal <0.0.0.1 to 255.255.255.255 > Area 0 (or 0.0.0.0) is not configurable; it is always normal.  Running-config stores value in dotted decimal notation.  Example  This command configures an NSSA ABR router as a forced NSSA LSA translator. The NSSA ABR router unconditionally translates Type-7 LSAs to Type-5 LSAs.  **switch(config)**sipv6 router ospf3 **assa translate type7 always**  **switch(config-router-ospf3)**sarea 3 nssa translate type7 always**	
Cisco IOS II	type7  always  P Routing: OSPF Con	(Required) Translates a Type-7 LSA to a Type-5 LSA. This keyword takes effect only on an NSSA ABR or an NSSA ASBR.  (Optional) Configures an NSSA ABR router as a forced NSSA LSA translator. The NSSA ABR router unconditionally translates Type-7 LSAs to Type-5 LSAs. You can configure the always keyword only in router configuration mode, not in router address family topology configuration mode.  mmand Reference (2011), at 15	Arista User Manual v. 4.14.3F (Rev. 2) (10/2/2014), at 1501.  See also Arista User Manual v. 4.13.6F (4/14/2014), at 1451; Arista User Manual v. 4.12.3 (7/17/13), at 1286; Arista User Manual, v. 4.11.1 (1/11/13), at 1036.	

		Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
timers bas	To adjust Rou configuration timers ba no timers		timers basic (RIP)  The timers basic command configures the update interval, the expiration time, and the deletion time for routes received and sent through RIP. The command requires value declaration of all values.  The update time is the interval between unsolicited route responses. The default is 30 seconds.  The expiration time is initialized when a route is established and any time an update is received for the route. If the specified period elapses from the last time the route update was received, then the route is marked as inaccessible and advertised as unreachable. However, the route forwards packets	Dkt. 419-10 at PDF p. 84
Syntax Description	update invalid holddown	Rate (in seconds) at which updates are sent. This is the fundamental timing parameter of the routing protocol. The default is 30 seconds.  Interval of time (in seconds) after which a route is declared invalid; it should be at least three times the value of the <i>update</i> argument. A route becomes invalid when there is an absence of updates that refresh the route. The route then enters into a <i>holddown</i> state. The route is marked inaccessible and advertised as unreachable. However, the route is still used for forwarding packets. The default is 90 seconds. Interval (in seconds) during which routing information regarding better paths is suppressed. It should be at least three times the value of the <i>update</i> argument. A route enters into a <i>holddown</i> state when an update packet is received that indicates the route is unreachable. The route is marked inaccessible and advertised as unreachable. However, the route is still used for forwarding packets! When holddown expires, routes advertised by other sources are accepted and the route is no longer inaccessible. The default is 180 seconds.	until the deletion time expires. The default value is 180 seconds.  • The deletion time is initialized when the expiration time has elapsed. On initialization of the deletion time, the route is no longer valid; however, it is retained in the routing table for a short time so that neighbors can be notified that the route has been dropped. Upon expiration of the deletion time, the route is removed from the routing table. The default is 120 seconds.  Arista User Manual v. 4.14.3F — Rev. 2 (10/2/14), at 1671,  See also Arista User Manual v. 4.13.6F (4/14/2014), at 1621; Arista User Manual v. 4.12.3 (7/17/13), at 1433; Arista User Manual, v. 4.11.1 (1/11/13), at 1179; Arista User Manual v. 4.10.3 (10/22/12), at 989; Arista	
Cisco IOS II (2005), at IF	•	Amount of time (in seconds) that must pass before the route is removed from the routing table; the interval specified should be greater than the value of the <i>invalid</i> argument. If it is less than this sum, the proper <i>holddown</i> interval cannot elapse, which results in a new route being accepted before the <i>holddown</i> interval expires. The default is 240 seconds.  2 Protocols Command Reference, Release 12.4	User Manual v. 4.9.3.2 (5/3/12), at 748; Arista User Manual v. 4.8.2 at 570.	

Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
SNMP notifications can be sent as traps or inform requests. Traps are unreliable because the receiver does not send acknowledgments when it receives traps. The sender cannot determine if the traps were received. However, an SNMP entity that receives an inform request acknowledges the message with an SNMP response protocol data unit (PDU). If the sender never receives the response, the inform request can be sent again. Thus, informs are more likely than traps to reach their intended destination.  Compared to traps, informs consume more resources in the agent and in the network. Unlike a trap, which is discarded as soon as it is sent, an inform request must be held in memory until a response is received or the request times out. Also, traps are sent only once; an inform may be tried several times. The retries increase traffic and contribute to a higher overhead on the network.  If you do not enter an sump-server host command, no notifications are sent. To configure the router to send SNMP notifications, you must enter at least one sump-server host command. If you enter the command with no optional keywords, all trap types are enabled for the host.  To enable multiple hosts, you must issue a separate sump-server host command for each host. You can specify multiple notification types in the command Reference (2011), v. 15.2, at 542	37.2.2 SNMP Notifications  SNMP notifications are messages, sent by the agent, to inform managers of an event or a network condition. A trap is an unsolicited notification. An inform (or inform request) is a trap that includes a request for a confirmation that the message is received. Events that a notification can indicate include improper user authentication, restart, and connection losses.  Traps are less reliable than informs because the receiver does not send any acknowledgment. However, traps are often preferred because informs consume more switch and network resources A trap is sent only once and is discarded as soon as it is sent. An inform request remains in memory until a response is received or the request times out. An inform may be retried several times, increasing traffic and contributing to higher network overhead.  Table 37-2 lists the SNMP traps that the switch supports.  Arista User Manual v. 4.14.3F (Rev. 2) (10/2/2014), at 1963.  See also Arista User Manual v. 4.13.6F (4/14/2014), at 1891; Arista User Manual v. 4.12.3 (7/17/13), at 1653; Arista User Manual, v. 4.11.1 (1/11/13), at 1341; Arista User Manual v. 4.10.3 (10/22/12), at 1107; Arista User Manual v. 4.9.3.2 (5/3/12), at 863; Arista User Manual v. 4.8.2 at 675; Arista User Manual v. 4.7.3 (7/18/11), at 531.	Dkt. 419-10 at PDF p. 85
SNMP notifications can be sent as traps or inform requests. Traps are unreliable because the receiver does not send acknowledgments when it receives traps. The sender cannot determine if the traps were received. However, an SNMP entity that receives an inform request acknowledges the message with an SNMP response protocol data unit (PDU). If the sender never receives the response, the inform request can be sent again. Thus, informs are more likely than traps to reach their intended destination.  Compared to traps, informs consume more resources in the agent and in the network. Unlike a trap, which is discarded as soon as it is sent, an inform request must be held in memory until a response is received or the request times out. Also, traps are sent only once; an inform may be tried several times. The retries increase traffic and contribute to a higher overhead on the network.  Cisco IOS Network Management Command Reference (2005), at 522	37.2.2 SNMP Notifications  SNMP notifications are messages, sent by the agent, to inform managers of an event or a network condition. At trap is an unsolicited notification. An inform (or inform request) is a trap that includes a request for a confirmation that the message is received. Events that a notification can indicate include improper user authentication, restart, and connection losses.  Traps are less reliable than informs because the receiver does not send any acknowledgment. However, traps are often preferred because informs consume more switch and network resource. A trap is sent only once and is discarded as soon as it is sent. An inform request remains in memory until a response is received or the request times out. An inform may be retried several times, increasing traffic and contributing to higher network overhead.  Table 37-2 lists the SNMP traps that the switch supports.  Arista User Manual v. 4.14.3F (Rev. 2) (10/2/2014), at 1963.  See also Arista User Manual v. 4.13.6F (4/14/2014), at 1891; Arista User Manual v. 4.12.3 (7/17/13), at 1653; Arista User Manual, v. 4.11.1 (1/11/13), at 1341; Arista User Manual v. 4.10.3 (10/22/12), at 1107; Arista User Manual v. 4.9.3.2 (5/3/12), at 863; Arista User Manual v. 4.8.2 at 675; Arista User Manual v. 4.7.3 (7/18/11), at 531.	Dkt. 419-10 at PDF p. 85

Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
Compared to traps, informs consume more resources in the agent and in the network. Unlike a trap, which is discarded as soon as it is sent, an inform request must be held in memory until a response is received or the request times out. Also, traps are sent only once; an inform may be tried several times. The retries increase traffic and contribute to a higher overhead on the network.  Cisco IOS IP Switching Command Reference (2011), v. XE 3.5, at 544.	SNMP notifications are messages, sent by the agent, to inform managers of an event or a network condition. A <i>trap</i> is an unsolicited notification. An <i>inform</i> (or inform request) is a trap that includes a request for a confirmation that the message is received. Events that a notification can indicate include improper user authentication, restart, and connection losses.  Traps are less reliable than informs because the receiver does not send any acknowledgment. However, traps are often preferred because informs consume more switch and network resources. A trap is sent only once and is discarded as soon as it is sent. An inform request remains in memory until a response is received or the request times out. An inform may be retried several times, increasing traffic and contributing to higher network overhead.  Arista User Manual v. 4.14.3F (Rev. 2) (10/2/2014), at 1963.  See also Arista User Manual v. 4.13.6F (4/14/2014), at 1891; Arista User Manual v. 4.12.3 (7/17/13), at 1653; Arista User Manual, v. 4.11.1 (1/11/13), at 1341; Arista User Manual v. 4.10.3 (10/22/12), at 1107; Arista User Manual v. 4.9.3.2 (5/3/12), at 863; Arista User Manual v. 4.8.2 at 675; Arista User Manual v. 4.7.3 (7/18/11), at 521	Dkt. 419-10 at PDF p. 86
Compared to traps, informs consume more resources in the agent and in the network. Unlike a trap, which is discarded as soon as it is sent, an inform request must be held in memory until a response is received or the request times out. Also, traps are sent only once; an inform may be tried several times. The retries increase traffic and contribute to a higher overhead on the network.  Cisco IOS IP Switching Command Reference (2008), at ISW-344.	Arista User Manual v. 4.7.3 (7/18/11), at 531.  SNMP notifications are messages, sent by the agent, to inform managers of an event or a network condition. A <i>trap</i> is an unsolicited notification. An <i>inform</i> (or inform request) is a trap that includes a request for a confirmation that the message is received. Events that a notification can indicate include improper user authentication, restart, and connection losses.  Traps are less reliable than informs because the receiver does not send any acknowledgment. However, traps are often preferred because informs consume more switch and network resource. At trap is sent only once and is discarded as soon as it is sent. An inform request remains in memory until a response is received or the request times out. An inform may be retried several times, increasing traffic and contributing to higher network overhead.  Arista User Manual v. 4.14.3F (Rev. 2) (10/2/2014), at 1963.  See also Arista User Manual v. 4.13.6F (4/14/2014), at 1891; Arista User Manual v. 4.12.3 (7/17/13), at 1653; Arista User Manual, v. 4.11.1 (1/11/13), at 1341; Arista User Manual v. 4.10.3 (10/22/12), at 1107; Arista User Manual v. 4.9.3.2 (5/3/12), at 863; Arista User Manual v. 4.8.2 at 675; Arista User Manual v. 4.7.3 (7/18/11), at 531.	Dkt. 419-10 at PDF p. 86

	Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
Table 22	show ip hgp neighbors paths Field Descriptions	show ip bgp paths	Dkt. 419-10 at
Field Address	<b>Description</b> Internal address where the path is store	The show ip bgp paths command displays all BGP paths in the database.  Platform all Command Mode EXEC	PDF p. 87
Refcount	Number of routes using that path.	Command Syntax show 1p bgp paths [VRF INSTANCE]	
		Parameters  • VRF_INSTANCE specifies VRF instances.  — <no parameter=""> displays routing table for context-active VRF.</no>	
Field Metric Path	Multi Exit Discriminator (MED) metric path. (The name of this metric for BGP and 3 is INTER_AS.)  Autonomous system path for that route, by the origin code for that route.	- vrf vrf_name displays routing table for the specified VRF vrf all displays routing table for all VRFs vrf default displays routing table for default VRF.  Display Values  Refcount: Number of routes using a listed path.  Metric: The Multi Exit Discriminator (MED) metric for the path.	
Cisco IOS at 640-41	S Multiprotocol Label Switching Command Reference.	(2011), Arista User Manual v. 4.14.3F (Rev. 2) (10/2/2014), at 1638.  See also Arista User Manual v. 4.13.6F (4/14/2014), at 1588; Arista User Manual v. 4.12.3 (7/17/13), at 1405; Arista User Manual, v. 4.11.1 (1/11/13), at 1151; Arista User Manual v. 4.10.3 (10/22/12), at 962; Arista User Manual v. 4.9.3.2 (5/3/12), at 776; Arista User Manual v. 4.8.2 at 547; Arista User Manual v. 4.7.3 (7/18/11), at 401; Arista User Manual v. 4.6.0 (12/22/2010), at 249.	

	Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
Table 28 show	ip bgp neighbors paths Field Descriptions	show ip bgp paths	Dkt. 419-10 at
Field	Description	The show ip bgp paths command displays all BGP paths in the database.	PDF p. 88
Address	Internal address where the path is stored.	Platform all Command Mode EXEC	
Refcount Metric	Number of routes using that path.  Multi Exit Discriminator (MED) metric for the path. (The name of this metric for BGP versions 2 and 3 is INTER_AS.)	Command Syntax show ip bgp paths [VRF_INSTANCE] Parameters	
Path	Autonomous system path for that route, followed by the origin code for that route.	VRF_INSTANCE specifies VRF instances.  — <no parameter=""> displays routing table for context-active VRF.  — vrf vrf_name displays routing table for the specified VRF.  — vrf all displays routing table for all VRFs.  — vrf default displays routing table for default VRF.</no>	
Cisco IOS Multi at 475.	iprotocol Label Switching Command Reference (2008),	Path: The Multi Exit Discriminator (MED) metric for the path.  Path: The autonomous system path for that route, followed by the origin code for that route.  The MED, also known as the external metric of a route, provides information to external neighbors about the preferred path into an AS with multiple entry points. Lower MED values are preferred.	
		Arista User Manual v. 4.14.3F (Rev. 2) (10/2/2014), at 1638.	
		See also Arista User Manual v. 4.13.6F (4/14/2014), at 1588; Arista User Manual v. 4.12.3 (7/17/13), at 1405; Arista User Manual, v. 4.11.1 (1/11/13), at 1151; Arista User Manual v. 4.10.3 (10/22/12), at 962; Arista User Manual v. 4.9.3.2 (5/3/12), at 776; Arista User Manual v. 4.8.2 at 547; Arista User Manual v. 4.7.3 (7/18/11), at 401; Arista User Manual v. 4.6.0 (12/22/2010), at 249	

	Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
auth In th but t than auth	command configures the HTTP server to request an X.509v3 certificate from the client in order to enticate the client during the connection process.  The default connection and authentication process, the client requests a certificate from the HTTP server, the server does not attempt to authenticate the client. Authenticating the client provides more security as erver authentication by itself, but not all web clients may be configured for certificate authority (CA) entication.  The Services Configuration Guide (2011), at 49.	protocol https certificate (API Management)  The protocol https certificate command configures the HTTP secure server to request an X.509 certificate from the client to configure the server certificate. The client (usually a web browser), in turn, has a public key that allows it to authenticate the certificate.  The no protocol https certificate and default protocol https certificate commands restore default behavior by removing the protocol https certificate statement from running-config.  Platform all Command Mode Mgmt-api Configuration  Command Syntax protocol https certificate no protocol https certificate default protocol https certificate  Related Commands  * management api http-commands places the switch in Management-api configuration mode.  Examples  * These commands configures the HTTP server to request an X.509 certificate from the client in order to authenticate the client during the connection process.  switch (config) #management api http-commands switch (config-mgmt-api-http-cmds) #protocol https certificate switch (config-mgmt-api-http-cmds) #protocol https certificate  Arista User Manual v. 4.13.6F (4/14/2014), at 85.  See also Arista User Manual v. 4.12.3 (7/17/13), at 75.	Dkt. 419-10 at PDF p. 89

Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
Usage Guidelines  To configure a remote user, specify the IP address or port number for the remote SNMP agent of the device where the user resides Also, before you configure remote users for a particular agent, configure the SNMP engine ID, using the snmp-server engineID command with the remote keyword. The remote agent's	Configuring the Group  An SNMP group is a table that maps SNMP users to SNMP views. The snmp-server group command configures a new SNMP group.	Dkt. 419-10 at PDF p. 90
Cisco IOS SNMP Support Command Reference (2011), at 380	Example  • This command configures normal_one as an SNMPv3 group (authentication and encryption) that provides access to the all-items read view.  switch(config) #snmp-server group normal_one v3 priv read all-items switch(config) #  Configuring the User  An SNMP user is a member of an SNMP group. The snmp-server user command adds a new user to an SNMP group and configures that user's parameters To configure a remote user, specify the IP address or port number of the device where the user's remote SNMP agent resides.  Arista User Manual v. 4.14.3F (Rev. 2) (10/2/2014), at 1966.  See also Arista User Manual v. 4.13.6F (4/14/2014), at 1894; Arista User Manual v. 4.12.3 (7/17/13), at 1656; Arista User Manual, v. 4.11.1 (1/11/13), at 1344; Arista User Manual v. 4.10.3 (10/22/12), at 1110; Arista User Manual v. 4.9.3.2 (5/3/12), at 865; Arista User Manual v. 4.8.2 (11/18/11), at 677; Arista User Manual v. 4.7.3 (7/18/11), at 533.	

	Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
Table 5 show Field Notification host udp-port type user	The show sump host command displays details such as IP address of the Network Management Sys (NMS), notification type, SNMP version, and the port number of the NMS.  To configure these details, use the sump-server hostcommand.  The following is sample output from the show sump hostcommand.  Router# show sump host Notification host: 10.2.28.6 udp-port: 162 type: inform user: public security model: v3c traps: 0001000.00000000.00000000  The table below describes the significant fields shown in the display.  sump host Field Descriptions  Description  Displays the IP address of the host for which the notification is generated.  Displays the type of notification.  Displays the access type of the user for which the notification is generated.	show snmp host  The show snmp host command displays the recipient details for Simple Network Management Protocol (SNMP) notification operations. Details that the command displays include IP address and port number of the Network Management System (NMS), notification type, and SNMP version.  Platform all Command Mode EXEC  Command Syntax show snmp host  Field Descriptions  Notification host IP address of the host for which the notification is generated.  udp-port port number.  type notification type.  user access type of the user for which the notification is generated.  security model SNMP version used to send notifications.  traps details of the notification generated.  Arista User Manual v. 4.13.6F (4/14/2014), at 1908  See also Arista User Manual v.4.14.3F (Rev. 2) (10/2/2014), at 1980; Arista User Manual v. 4.12.3 (7/17/13), at 1670; Arista User Manual, v. 4.11.1	The Record Dkt. 419-10 at PDF p. 91
traps  Cisco IOS SI	Displays the SNMP version used to send notifications.  Displays details of the notification generated.  NMP Support Command Reference (July 2011), at 108–09	(1/11/13), at 1357; Arista User Manual v. 4.10.3 (10/22/12), at 1124; Arista User Manual v. 4.9.3.2 (5/3/12), at 880; Arista User Manual v. 4.8.2 (11/18/11), at 688; Arista User Manual v. 4.7.3 (7/18/11), at 544.	

Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
To display the family name, storage type, and status of a Simple Network Management Protocol (SNMP configuration and associated MIB) use the show snmp viewcommand in privileged EXEC mode.  Cisco IOS SNMP Support Command Reference (2011), at 140	Show snmp view  The show snmp view command displays the family name, storage type, and status of a Simple Network Nanagement Protocol (SNMP) configuration and the associated MIB. pNMP views are configured with the snmp-server view command.  Platform all Command Mode EXEC  Arista User Manual v. 4.14.3F (Rev. 2) (10/2/2014), at 1986.  See also Arista User Manual v. 4.13.6F (4/14/2014), at 1914; Arista User Manual v. 4.12.3 (7/17/13), at 1676; Arista User Manual, v. 4.11.1 (1/11/13), at 1361; Arista User Manual v. 4.10.3 (10/22/12), at 1128; Arista User Manual v. 4.9.3.2 (5/3/12), at 884; Arista User Manual v. 4.8.2 (11/18/11), at 692; Arista User Manual v. 4.7.3 (7/18/11), at 548.	Dkt. 419-10 at PDF p. 92
This command provides counter information for SNMP operations. It also displays the chassis ID string defined with the sump-server chassis-id global configuration command.  The following is sample output from the show sump command:  Router# show sump Chassis: 12161083  O SNMP packets input O Indepal operation for community name O Inlegal operation for community name O Number of requested variables O Number of requested variables O Get-request PDUs O Get-request PDUs O SNMP packets output  O Too big errors (Maximum queue size 1000)  O Too big errors (Maximum packet size 1500) O Rosuch name errors O General errors O General errors O Response PDUs O Response PDUs SNMP logsing: enabled  Cisco IOS SNMP Support Command Reference (2011), at 95-96	Configuring SNMP    SIMP packets input	Dkt. 419-10 at PDF p. 92

Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
and the local engine ID. The command line password is then destroyed, as required by RFC 2274. Because of this deletion, if the local value of engineID changes, the security digests of SNMPv3 users will be invalid, and the users will have to be reconfigured.  Similar restrictions require the reconfiguration of community strings when the engine ID changes A remote engine ID is required when an SNMPv3 inform is configured. The remote engine ID is used to compute the security digest for authenticating and encrypting packets sent to a user on the remote host  Cisco IOS SNMP Support Command Reference (2011), at 324.	The snmp-server engineID remote  The snmp-server engineID remote command configures the name of a Simple Network Management Protocol (SNMP) engine located on a remote device. The switch generates a default engineID: use the show snmp engineID command to view the configured or default engineID.  Aremote engine ID is required when configuring an SNMPv3 inform to compute the security digest for authenticating and encrypting packets sent to users on the remote host. SNMPv3 authenticates users through security digests (MD5 or SHA) that are based on user passwords and the engine ID. Passwords entered on the CLI are similarly converted, then compared to the user's security digest to authenticate the user.  Arista User Manual v. 4.13.6F (4/14/2014), at 1920.  See also Arista User Manual v. 4.12.3 (7/17/13), at 1682; Arista User Manual, v. 4.11.1 (1/11/13), at 1367; Arista User Manual v. 4.10.3 (10/22/12), at 1134; Arista User Manual v. 4.9.3.2 (5/3/12), at 890; Arista User Manual v. 4.8.2 (11/18/11), at 698; Arista User Manual v. 4.7.3 (7/18/11), at 554.	Dkt. 419-10 at PDF p. 93
To group different RADIUS server hosts into distinct lists and distinct methods, enter the aaa group server radius command in global configuration mode. To remove a group server from the configuration list, enter the no form of this command.    aaa group server radius group-name   no aaa group server radius group-name     Cisco IOS Security Command Reference, Release 12.4 (2005), at SEC-74.	The aaa group server radius command enters the server-group-radius configuration mode for the specified group name. The command creates the specified group if it was not previously created. Commands are available to add servers to the group.  A server group is a collection of servers that are associated with a single label. Subsequent authorization and authentication commands access all servers in a group by invoking the group name. Server group members must be previously configured with a radius-server host command.  The no aaa group server radius and default aaa group server radius commands delete the specified server group from running-config.  Platform all Command Mode Global Configuration  Command Syntax  aaa group server radius group_name no aaa group server radius group_name default aaa group server radius group_name  Arista User Manual v. 4.14.3F — Rev. 2 (10/2/14), at 224.  See also Arista User Manual v. 4.13.6F (4/14/2014), at 217; Arista User Manual v. 4.12.3 (7/17/13), at 168; Arista User Manual, v. 4.11.1 (1/11/13), at 126; Arista User Manual v. 4.10.3 (10/22/12), at 118.	Dkt. 419-10 at PDF p. 93

Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
To specify one or more authentication, authorization, and accounting (AAA) methods for use on interfaces running IEEE 802.1X, use the aaa authentication dot1x command in global configuration mode. To disable authentication, use the no form of this command  Cisco IOS Security Command Reference, Release 12.4 (2005), at SEC-32.	11.3.1 Configuring an Authentication Method List for 802.1x  To use 802.1x port security, specify an authentication method to be used to authenticate clients. The switch supports RADIUS authentication with 802.1x port security. To use RADIUS authentication with 802.1x port security, you create an authentication method list for 802.1x and specify RADIUS as an authentication method, then configure communication between the switch and RADIUS server.  Example  • The aaa authentication dot1x command specifies one or more authentication, authorization, and accounting (AAA) methods for use on interfaces running IEEE 802.1X. The following example uses the aaa authentication dot1x command with RADIUS authentication.  switch> enable switch= configure terminal switch(config)# aaa authentication dot1x default group radius  Arista User Manual v. 4.13.6F (4/14/2014), at 551,	Dkt. 419-10 at PDF p. 94
To set an 802.1X port control value, use the dot1x port-control command in interface configuration mode. To disable the port-control value, use the no form of this command.  dot1x port-control {auto   force-authorized   force-unauthorized}}  no dot1x port-control {auto   force-authorized   force-unauthorized}}  Syntax Description  auto Determines authentication status of the client PC by the authentication process. The port state will be set to AUTO.  force-authorized Disables 802.1X on the interface and causes the port to change to the authorized state without any authentication exchange required. The port transmits and receives normal traffic without 802.1X-based authentication of the client. The force-authorized keyword is the default.  force-unauthorized Denies all access through this interface by forcing the port to change to the unauthorized state, ignoring all attempts by the client to authenticate.  Cisco IOS Security Command Reference, Release 12.4 (2005), at SEC-457.	Example  • This command configures Ethernet 1 to immediately commence functioning as authenticator ports.  **switch(config)**interface ethernet 1	Dkt. 419-10 at PDF p. 94

Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
To set the maximum number of times the authenticator sends an Extensible Authentication Protocol (EAP) request/identity frame assuming that no response is received to the client use the dot1x max-reauth-reqcommand in interface configuration mode. To set the maximum number of times to the default setting of 2, use the no form of this command.  dot1x max-reauth-req number no dot1x max-reauth-req  Cisco IOS Security Command Reference: Commands D to L (2011), at 164.	The doll's max-reauth-req command sets the maximum number of times that the switch restarts the authentication process before a port changes to the unauthorized state.  Example  • These commands set the maximum number of times the authenticator sends an Extensible Authentication Protocol (EAP) request/identity frame to the client.  switch (config) #interface ethernet 1 switch(config-if-Btl) #doll's max-reauth-req 4 switch (config-if-Btl) # Arista User Manual v. 4.13.6F (4/14/2014), at 553,	Dkt. 419-10 at PDF p. 95
To set the Port Access Entity (PAE) type To disable the PAE type that was set, use the no form of this command.  dot1x pae [supplicant   authenticator   both]  no dot1x pae [supplicant   authenticator   both]  supplicant  (Optional) The interface acts only as a supplicant and will not respond to messages that are meant for an authenticator and will not respond to any messages meant for a supplicant.  both  (Optional) The interface behaves both as a supplicant and as an authenticator and thus will respond to all dot1x messages.  Cisco IOS Security Command Reference, Release 12.4 (2005), at SEC-	The dot1x pae authenticator command sets the Port Access Entity (PAE) type. The interface acts only as an authenticator and will not respond to any messages meant for a supplicant.  The no dot1x pae authenticator and default dot1x pae authenticator commands restore the switch default by deleting the corresponding dot1x pae authenticator command from running-config.  Platform all Command Mode Interface-Ethernet Configuration Interface-Management Configuration  Arista User Manual v. 4.13.6F (4/14/2014), at 560.	Dkt. 419-10 at PDF p. 95

Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
To set the number of retry seconds between 802.1X authentication exchanges when an Ethernet switch network module is installed in the router, use the dot1x timeout command in global configuration mode. To return to the default setting, use the no form of this command.    dot1x timeout {quiet-period seconds   re-authperiod seconds   tx-period seconds}   no dot1x timeout {quiet-period seconds   re-authperiod seconds   tx-period seconds}	The dot1x timeout quiet-period command sets the number of seconds that the switch remains in the quiet state following a failed authentication exchange with the client. The range is 1 to 65535 seconds; the default is 60.  When the switch cannot authenticate the client, the switch remains idle for a set period of time and then tries again. You can provide a faster response time to the user by entering a number smaller than the default.  The no dot1x timeout quiet-period and default dot1x timeout quiet-period commands restore the default advertisement interval of 60 seconds by removing the corresponding dot1x timeout quiet-period command from running-config.  Platform all  Command Mode Interface-Ethernet Configuration Interface-Management Configuration  Arista User Manual v. 4.13.6F (4/14/2014), at 563,	Dkt. 419-10 at PDF p. 96
Usage Guidelines  The security passwords min-length command provides enhanced security access to the router by allowing you to specify a minimum password length, eliminating common passwords that are prevalent on most networks, such as "lab" and "cisco." This command affects user passwords, enable passwords and secrets, and line passwords. After this command is enabled, any password that is less than the specified length will fail.  Cisco IOS Security Command Reference, Release 12.4 (2005), at SEC-943.	password minimum length (Security Management)  The password minimum length command provides enhanced security access to the switch by allowing you to specify a minimum password length, eliminating common passwords that are prevalent on most networks. This command affects user passwords, enable passwords and secrets, and line passwords. After this command is enabled, any password that is less than the specified length will fail.  Applicable CC Requirements: The switch settings for secure passwords can be found under secure preparation. The password minimum length should be 15 characters and 5HA-512 should be used as the hashing mechanism for all locally stored passwords.  Arista User Manual v. 4.13.6F (4/14/2014), at 152,	Dkt. 419-10 at PDF p. 96

		Cisco's D	ocument	tation		Arista's Documentation	Supporting Evidence In The Record
•	Routers show por Secure Fort Action  Pa5/1 Pa5/5 Fa5/11  Total Addresses Max Addresses li Routers  ecurity Com	MaxSecureAdd:  (Count)  11 15 5 in System: 21 Imit in System:	(Count)  11 5 4	SecurityVio (Count) 0 0	Shutdown Restrict Protect  ds S to Z (July	** These commands enable MAC security on Ethernet interface 7, set the maximum number of assigned MAC addresses to 2, assigns two static MAC addresses to the interface, and clears the dynamic MAC addresses for the interface.  **switch(config) #interface ethernet 7  **switch(config) #ac address-table static 0034.24c2.8f11 vlan 10 interface ethernet 7  **switch(config) #ac address-table dynamic interface ethernet 7  **switch(config) #ac address-table dynamic interface ethernet 7  **switch(config) #abow port-security  **Secure Fort**  **MaxSecureAddr** CurrentAddr** SecurityViolation** Security Action  **(Count)**  **(	Dkt. 419-10 at PDF p. 97

	Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
Command Modes  Command History	PTP clock configuration (config-ptp-clk)	ptp priority1  The ptp priority1 command configures the priority1 value to use when advertising the clock. This value overrides the default criteria for best master clock selection. Lower values take precedence. The range	Dkt. 419-10 at PDF p. 98
Usage Guidelines	Release Modification  15.0(1)S This command was introduced.  Slave devices use the priority1 value when selecting a master clock. The priority1 value has precedence over the priority2 value.	is from 0 to 255. To remove PTP settings, use the no form of this command.  Platform FM6000 Command Mode Global Configuration  Command Syntax  ptp priority1 priority_rate no ptp priority1 default ptp priority1	
Cisco IOS I: (2011), at 10	nterface and Hardware Component Command Reference 018.	Parameters  • priority_rate The value to override the default criteria (clock quality, clock class, etc.) for best master clock selection. Lower values take precedence. Value ranges from 0 to 255. The default is 128.  Examples  • This command configures the preference level for a clock slave devices use the priority1 value when selecting a master clock.	
		Arista User Manual v. 4.14.3F – Rev. 2 (10/2/2014), at 589.  See also Arista User Manual v. 4.13.6F (4/14/2014), at 318; Arista User Manual v. 4.12.3 (7/17/13), at 262; Arista User Manual, v. 4.11.1 (1/11/13), at 208.	

	Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
service se	To enable visible sequence numbering of system logging messages, use the service sequence-numbers command in global configuration mode. To disable visible sequence numbering of logging messages, use the no form of this command.  service sequence-numbers no service sequence-numbers	Service sequence-numbers  The service sequence-numbers command enables visible sequence numbering of system logging messages. Each system sessages logged in the system logging process have a sequence reference number applied. This command makes that number visible by displaying it with the message.  The no service sequence-numbers and default service sequence-numbers commands disable visible sequence numbering of system logging messages by removing the service sequence-numbers command from running-config.	Dkt. 419-10 at PDF p. 99
Syntax Description	This command has no arguments or keywords.	Arista User Manual v. 4.13.6F (4/14/2014), at 380.	
Defaults Command Modes	Disabled.  Global configuration	See also Arista User Manual v. 4.12.3 (7/17/13), at 322; Arista User Manual, v. 4.11.1 (1/11/13), at 268.	
Command History	Release Modification  12.0 This command was introduced.		
	Each system status messages logged in the system logging process have a sequence reference number applied. This command makes that number visible by displaying it with the message. The sequence number is displayed as the first part of the system status message. See the description of the logging commands for information on displaying logging messages.  Configuration Fundamentals Command Reference Release 1, at CF-472.		

	Cisco	v's Documentation	Arista's Documentation	Supporting Evidence In The Record
Cisco IOS Co CF-237.	The command history function provides a record of EXEC commands that you have entered. This function is particularly useful for recalling long or complex commands or entries, including access lists. To change the number of command lines that the system will record in its history buffer, use the history size line configuration command.  The history command enables the history function with the last buffer size specified or, if there was not a prior setting, with the default of ten lines. The no history command disables the history function.  The show history EXEC command will list the commands you have entered, but you can also use your keyboard to display individual commands. Table 34 lists the keys you can use to recall commands from the command history buffer.  Table 34 History Keys  Key(s) Functions  Ctrl-P or Up Arrow <sup>1</sup> Recalls commands in the history buffer in a backward sequence, beginning with the most recent command. Repeat the key sequence to recall successively older commands.  Ctrl-N or Down Arrow <sup>1</sup> Returns to more recent commands in the history buffer after recalling commands with Ctrl-P or the Up Arrow. Repeat the key sequence to recall successively more recent commands.  1. The arrow keys function only with ANSI-compatible terminals.		3.2.4 History Substitution Keystrokes  The history buffer retains the last 20 entered commands. History substitution keystrokes that access previously entered commands include:  • Ctrl-P or the Up Arrow key: Recalls history buffer commands, beginning with the most recent command. Repeat the key sequence to recall older commands.  • Ctrl-N or the Down Arrow key: Returns to more recent commands after using the Ctrl-P or the Up Arrow. Repeat the key sequence to recall more recent commands.  The show history command in Privileged EXEC mode displays the history buffer contents.  **switch#show history**  en config exit show history  Arista User Manual v. 4.13.6F (4/14/2014), at 103.  **See also** Arista User Manual v. 4.12.3 (7/17/13), at 93; Arista User Manual v. 4.11.1 (1/11/13), at 63; Arista User Manual v. 4.10.3 (10/22/12), at 55; Arista User Manual v. 4.9.3.2 (5/3/12), at 51; Arista User Manual v. 4.8.2 (11/18/11), at 47; Arista User Manual v. 4.7.3 (7/18/11), at 44-45; Arista User Manual v. 4.6.0 (12/22/2010), at 38-39	Dkt. 419-10 at PDF p. 100
Right Arrow <sup>1</sup> or Ctr1-B  Right Arrow <sup>1</sup> or Ctr1-F  Esc, B  Esc, F  Ctr1-A  Ctr1-E  Cisco IOS Co	Back character  Forward character  Back word  Forward word  Beginning of line  End of line  onfiguration Fun	Moves the cursor one character to the left.  When you enter a command that extends beyond a single line, you can press the Left Arrow or Ctrl-B keys repeatedly to scroll back toward the system prompt and verify the beginning of the command entry.  Moves the cursor one character to the right.  Moves the cursor back one word.  Moves the cursor forward one word.  Moves the cursor to the beginning of the line.  Moves the cursor to the end of the command line.  damentals Command Reference (2010), at	3.2.3 Cursor Movement Keystrokes  EOS supports these cursor movement keystrokes:  • Ctrl-B or the Left Arrow key: Moves the cursor back one character. • Ctrl-F or the Right Arrow key: Moves the cursor forward one character. • Ctrl-E: Moves the cursor to the beginning of the command line. • Ctrl-E: Moves the cursor back one word. • Esc-B: Moves the cursor back one word. • Esc-F: Moves the cursor forward one word.  Arista User Manual v. 4.13.6F (4/14/2014), at 102.  See also Arista User Manual v. 4.12.3 (7/17/13), at 92; Arista User Manual v. 4.11.1 (1/11/13), at 62; Arista User Manual v. 4.10.3 (10/22/12), at 54; Arista User Manual v. 4.9.3.2 (5/3/12), at 50; Arista User Manual v. 4.8.2 (11/18/11), at 46; Arista User Manual v. 4.7.3 (7/18/11), at 44; Arista User Manual v. 4.6.0 (12/22/2010), at 38.	Dkt. 419-10 at PDF p. 100

	Cisco's Documentation	Arista's Documentation	
Channel Mode passive	Description  LACP mode that places a port into a passive negotiating state, in which the port responds to LACP packets that it receives but does not initiate LACP negotiation.	Parameters  number specifies a channel group ID. Values range from 1 through 1000.  LACP_MODE specifies the interface LACP mode. Values include:	Dkt. 419-10 at PDF p. 101
active on	LACP mode that places a port into an active negotiating state, in which the port initiates negotiations with other ports by sending LACP packets.  All static port channels, that is, that are not running LACP, remain in this mode. If you attempt to change the channel mode to active or passive before enabling LACP, the device returns an error message. You enable LACP on each channel by configuring the interface in that channel for the channel mode as either active or passive. When an LACP attempts to negotiate with an interface in the on state, it does not receive any LACP packets and becomes an individual link with that interface; it does not join the LACP channel group.	<ul> <li>mode on Configures interface as a static port channel, disabling LACP. The switch does not verify or negotiate port channel membership with other switches.</li> <li>mode active Enables LACP on the interface in active negotiating state. The port initiates negotiations with other ports by sending LACP packets.</li> <li>mode passive Enables LACP on the interface in a passive negotiating state. The port responds to LACP packets but cannot start LACP negotiations.</li> <li>Arista User Manual v. 4.14.3F – Rev. 2 (10/2/14), at 469.</li> <li>See also Arista User Manual v. 4.12.3 (7/17/13), at 403; Arista User</li> </ul>	
Cisco NX-O 9.	The default port-channel mode is on.  OS Interfaces Configuration Guide (2008), Release 4.0, at 5-	Manual, v. 4.11.1 (1/11/13), at 336; Arista User Manual v. 4.10.3 (10/22/12), at 294; Arista User Manual v. 4.9.3.2 (5/3/12), at 278; Arista User Manual v. 4.8.2 (11/18/11), at 210; Arista User Manual v. 4.7.3 (7/18/11), at 424; Arista User Manual v. 4.6.0 (12/22/2010), at 271.	
	To enable IEEE 802.1Q encapsulation of traffic on a specified subinterface in a virtual LAN (VLAN), use the encapsulation dot1q command in subinterface configuration mode. To disable encapsulation, use the no form of this command.  encapsulation dot1Q vlan-id  no encapsulation dot1Q vlan-id  DS Interfaces Command Reference (2008), Release 4.0, at	The encapsulation dot1q vlan command enables Layer 2802.1Q encapsulation of traffic on a specified subinterface in a VLAN. The default VLAN for all interfaces is VLAN 1.  The no encapsulation dot1q vlan and default encapsulation dot1q vlan commands restore the default VLAN to the configuration mode interface by removing the corresponding encapsulation dot1q vlan command from running-config.  Arista User Manual v. 4.14.3F — Rev. 2 (10/2/14), at 774.	Dkt. 419-10 at PDF p. 101

Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
To change the native VLAN ID when the interface is in trunking mode, use the switchport trunk native vlan command. To return the native VLAN ID to VLAN I, use the no form of this command.  switchport trunk native vlan vlan-id no switchport trunk native vlan  Cisco NX-OS Interfaces Command Reference (2008), Release 4.0, at IF-35.	Switchport trunk native vian  The switchport trunk native vian command specifies the trunk mode native VLAN for the configuration mode interface in trunk mode associate untagged frames with the native VLAN trunk mode interface can also be configured to drop untagged frames. The default native VLAN trunk mode interface can also be configurated to drop untagged frames. The default native VLAN is the trunk mode rative vLAN to the configuration mode interface by removing the corresponding switchport trunk native vLaN to the configuration beneface. Put-channel Configuration  Command Syntax  Switchport trunk native vlan VLAN in the configuration beneface. Put-channel Configuration  Command Syntax  Switchport trunk native vlan VLAN in the switchport trunk native vlan command in the switchport trunk native vlan of the switchport trunk native vlan to the switchport trunk native vlan of the switchport trunk native vlan to the switchport trunk native vlan vLAN in the switchport trunk native vlan trunk vlan vLAN in the switchport trunk native vlan vLAN in the native vLAN	Dkt. 419-10 at PDF p. 102

Cisco's Documentation	Arista's Documentation	Supporting Evidence In The Record
Rapid per VLAN Spanning Tree Plus (Rapid PVST+) and Multiple Spanning Tree (MST) have built-in compatibility mechanisms that allow them to interact properly with other versions of IEEE spanning tree or other regions. For example, a bridge running Rapid PVST+ can send 802.1D bridge protocol data units (BPDUs) on one of its ports when it is connected to a legacy bridge. An MST bridge can detect that a port is at the boundary of a region when it receives a legacy BPDU or an MST BPDU that is associated with a different region.  These mechanisms are not always able to revert to the most efficient mode. For example, a Rapid PVST+ bridge that is designated for a legacy 802.1D bridge stays in 802.1D mode even after the legacy bridge has been removed from the link. Similarly, an MST port assumes that it is a boundary port when the bridges to which it is connected have joined the same region.  To force the MST port to renegotiate with the neighbors, enter the clear spanning-tree detected-protocol command.  If you enter the clear spanning-tree detected-protocol command with no arguments, the command is applied to every port of the device.  This command does not require a license.  Cisco NX-OS Layer 2 Switching Command Reference (2008), Release 4.0, at L2-5.	20.2.1.4 Version Interoperability  A network can contain switches running different spanning tree versions. The common spanning tree (CST) is a single forwarding path the switch calculates for STE RSTE MSTE and Rapid-PVST topologies in networks containing multiple spanning tree vertations.  In multi-instance topologies, the following instances correspond to the CSE  Rapid-PVST VLAN 1  MST IST (instance 0)  RSTP and MSTF are compatible with other spanning tree versions:  An RSTP bridge sends 802.10 (original STP) BPDUs on ports connected to an STP/bridge.  PSTP bridges operating in 802.1D mode remain in 802.1D mode even after all STP bridges are removed from their links.  An MST bridge can detect that a port is at a region bouldary when it receives an STP BPDU or an MST BPDU from a different region.  MST ports assume they are boundary ports when the bridges to which they connect join the same region.  Arista User Manual v. 4.14.3F — Rev. 2 (10/2/14), at 953.  See also Arista User Manual v. 4.12.3 (7/17/13), at 831; Arista User Manual, v. 4.11.1 (1/11/13), at 649; Arista User Manual v. 4.10.3 (10/22/12), at 563; Arista User Manual v. 4.9.3.2 (5/3/12), at 483; Arista User Manual v. 4.8.2 (11/18/11), at 357; Arista User Manual v. 4.7.3 (7/18/11), at 231.	Dkt. 419-10 at PDF p. 103
When you enable this BPDU Guard command globally, the command applies only to spanning tree edge ports. See spanning-tree port type edge bpduguard default for more information on the global command for BPDU Guard. However, when you enable this feature on an interface, it applies to that interface regardless of the spanning tree port type.  This command has three states:  • spanning-tree bpduguard enable—Unconditionally enables BPDU Guard on the interface.  • spanning-tree bpduguard disable—Unconditionally disables BPDU Guard on the interface.  • no spanning-tree bpduguard—Enables BPDU Guard on the interface if it is an operational spanning tree edge port and if the spanning-tree port type edge bpduguard default command is configured.  Cisco NX-OS Layer 2 Switching Command Reference (2008), Release 4.0, at L2-31.	The spanning-tree byduguard interface configuration command controls BPDU guard on the configuration mode interface. This command takes precedence over the default setting configured by spanning-tree portfast byduguard default.  • spanning-tree byduguard enables BPDU guard on the interface. • spanning-tree byduguard disable disables BPDU guard on the interface. • no spanning-tree byduguard reverts the interface to the default BPDU guard setting.  Arista User Manual v. 4.14.3F – Rev. 2 (10/2/14), at 968.  See also Arista User Manual v. 4.12.3 (7/17/13), at 847; Arista User Manual, v. 4.11.1 (1/11/13), at 665; Arista User Manual v. 4.10.3 (10/22/12), at 579; Arista User Manual v. 4.9.3.2 (5/3/12), at 498; Arista User Manual v. 4.8.2 (11/18/11), at 372; Arista User Manual v. 4.7.3 (7/18/11), at 246.	Dkt. 419-10 at PDF p. 103